



Proposal and Validation of a Quick Question to Rate the Influence of Sun Exposure in Geriatric Epidemiological Studies on Vitamin D

Submitted by Emmanuel Lemoine on Wed, 04/22/2015 - 16:43

Titre	Proposal and Validation of a Quick Question to Rate the Influence of Sun Exposure in Geriatric Epidemiological Studies on Vitamin D
Type de publication	Article de revue
Auteur	Annweiler, Cédric [1], Schott, A. M [2], Beauchet, Olivier [3]
Editeur	Hogrefe
Type	Article scientifique dans une revue à comité de lecture
Année	2012
Langue	Anglais
Date	2012
Numéro	6
Pagination	412-416
Volume	82
Titre de la revue	International Journal for Vitamin and Nutrition Research
ISSN	0300-9831
Mots-clés	Detection [4], Epidemiology [5], older adults [6], sun exposure [7], Vitamin D [8]
Résumé en anglais	Background: Vitamin D is synthesized in the skin under the action of solar ultraviolet-B radiation. The objective of this study was to determine whether a simple question exploring sun exposure ("When weather is nice, do you stay more than 15 minutes exposed to the sun (face and hands uncovered) between 11am and 3pm?") could be associated with serum 25-hydroxyvitamin D status among 751 older community-dwelling women (mean age, 80.2 3.5 years). Methods: Two groups were distinguished based on the binary "Yes" versus "No" answer. Hypovitaminosis D was defined as serum 25-hydroxyvitamin D < 30 ng/mL. Results: Fewer women with hypovitaminosis D answered "Yes" to the question on sun exposure (p=0.042). Answering "Yes" was inversely associated with hypovitaminosis D (OR=0.56, p=0.049) after adjustment for demographic characteristics and exogenous sources of vitamin D, with a positive predictive value of 88%. Conclusion: This simple question may reflect the sun's influence on vitamin D status and identify older community-dwellers with hypovitaminosis D.
URL de la notice	http://okina.univ-angers.fr/publications/ua9969 [9]
DOI	10.1024/0300-9831/A000139 [10]
Titre abrégé	Int J Vitam Nutr Res

Liens

[1] <http://okina.univ-angers.fr/cedric.annweiler/publications>

- [2] [http://okina.univ-angers.fr/publications?f\[author\]=17536](http://okina.univ-angers.fr/publications?f[author]=17536)
- [3] <http://okina.univ-angers.fr/o.beauchet/publications>
- [4] [http://okina.univ-angers.fr/publications?f\[keyword\]=3422](http://okina.univ-angers.fr/publications?f[keyword]=3422)
- [5] [http://okina.univ-angers.fr/publications?f\[keyword\]=7714](http://okina.univ-angers.fr/publications?f[keyword]=7714)
- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=15402](http://okina.univ-angers.fr/publications?f[keyword]=15402)
- [7] [http://okina.univ-angers.fr/publications?f\[keyword\]=15488](http://okina.univ-angers.fr/publications?f[keyword]=15488)
- [8] [http://okina.univ-angers.fr/publications?f\[keyword\]=5969](http://okina.univ-angers.fr/publications?f[keyword]=5969)
- [9] <http://okina.univ-angers.fr/publications/ua9969>
- [10] <http://dx.doi.org/10.1024/0300-9831/A000139>

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